

ABSTRACT OF THE INVENTION

[0064] An apparatus and method is provided for forming a dual radius arch frame structure. The apparatus includes a longitudinal member having a centerline and centerpoint. A laterally adjustable support is further included which has one end attached to the centerpoint of the longitudinal member in a perpendicular orientation and a vertical support attached to a distal end of the laterally adjustable support. A left outer form is provided which has a generally semi-circular shaped arch centered and oriented about a left pivot axis located on the centerline a predetermined distance from the centerpoint. A right outer form is also provided which has a generally semi-circular shaped arch centered and oriented about a right pivot axis located on the centerline a predetermined distance from the centerpoint. Additionally, an arched shaped center cord is adapted to be connected to a receiving edge of the left outer form and of the right outer form in a tangentially continuous manner. Also, at least one adjustable left strut assembly interconnects the left outer form to the vertical support and at least one adjustable right strut assembly interconnects the right outer form to the vertical support.